

# Author Index

CHIMIA 73 (2019)

- Abram, S.**, see *Fromm, K. M.*, 12
- Abram, U., Alberto, R.**, Medicinal Chemistry and Chemical Biology Highlights: Technetium - Unstable in the Middle of the Periodic Table, 207
- Adlhart, C.**, see *Brodard, P.*, 645
- Aebersold, R., Blattmann, P.**, Mass Spectrometric Exploration of the Biochemical Basis of Living Systems - Paracelsus Prize 2018, 540
- Afroz, T.**, see *Polymeridou, M.*, 380
- Alberto, R., Abram, U.**, Medicinal Chemistry and Chemical Biology Highlights: Technetium - Unstable in the Middle of the Periodic Table, 207
- Alberto, R., Lüthi, H. P.**, Welcome to the 2019 Fall Meeting of the Swiss Chemical Society (SCS), 605
- Alberto, R.**, see *Probst, B., Gurdal, Y.*, 906
- Albrecht, M., Melle, P.**, Ruthenium Complexes with PYA Pincer Ligands for Catalytic Transfer Hydrogenation of Challenging Substrates, 299
- Alinejad, S.**, see *Broekmann, P., Arenz, M.*, 922
- Alizadeh, M.**, see *Kilbinger, A. F. M.*, 25
- Allain, F., Mühlmann, O.**, Editorial: NCCR RNA & Disease, 353
- Allain, F. H.-T., Cléry, A., Gillioz, L., Nguyen, C. K. X.**, A Step-by-Step Guide to Study Protein–RNA Interactions, 406
- Allenspach, M. D.**, see *Steuer, C.*, 330
- Amstad, E., Du, H., Steiner, U.**, Nacre-inspired Hard and Tough Materials, 29
- Amstutz, V.**, see *Zinn, M.*, 841
- Anastasaki, A., Whitfield, R., Truong, N. P.**, Polymer and Colloid Highlights: Sequence-controlled Polymers via Controlled Radical Polymerization, 331
- Apebende, E. A.**, see *Burns, N.*, 21
- Arenz, M., Broekmann, B., Dutta, A., Bizzotto, F., Quinson, J., Zana, A., Morstein, C. E., Rahaman, M., Cedeño López, A.**, Catalyst Development for Water/CO<sub>2</sub> Co-electrolysis, 707
- Arenz, M., Broekmann, P., de Jesús Gálvez-Vázquez, M., Alinejad, S., Hu, H., Hou, Y., Moreno-García, P., Zana, A., Wiberg, G. K. H.**, Testing a Silver Nanowire Catalyst for the Selective CO<sub>2</sub> Reduction in a Gas Diffusion Electrode Half-cell Setup Enabling High Mass Transport Conditions, 922
- Aronoff, M. R.**, see *Wennemers, H.*, 308
- Ariús-Pous, J.**, see *Reymond, J.-L.*, 1018
- Auberson, Y.**, Medicinal Chemistry and Chemical Biology Highlights: An Element of Community: EFMC, The European Federation of Medicinal Chemistry, 93
- Awale, M.**, see *Reymond, J.-L.*, 1018
- Backes, C.**, Ten Years of Liquid-phase Exfoliation of Layered Crystals – A Bright Future ahead? 498
- Bakker, E., Citterio, D., Soda, Y.**, Highlights of Analytical Sciences in Switzerland: Equipment-free Detection of K<sup>+</sup> on Paper, 944
- Balkenende, D. W. R.**, see *Schrettl, S., Weder, C.*, 7
- Bartel, J.**, see *Kübler, E.*, 422
- Battilocchio, C., Godineau, E.**, Editorial: Continuous Flow Chemistry – Industry and Academia Perspectives, 789
- Battilocchio, C., Godineau, E., Lal, M.**, Building up a Continuous Flow Platform as an Enabler to the Preparation of Intermediates on Kilogram Scale, 828
- Baudoin, O., Baumgartner, Y., Niggli, N., Savary, D., Thesmar, P.**, Swiss Science Concentrates, 329, 415, 503, 634, 758, 835, 943, 1032
- Beck, A.**, see *Boero, G.*, 635
- Becker, M. A.**, see *Stöferle, T., Kovalenko, M.*, 92
- Benfatti, F.**, Medicinal Chemistry and Chemical Biology Highlights: Peptides from Spider Venoms: A Natural Source of Bioinsecticides, 505
- Berk, C.**, see *Hall, J.*, 368
- Bernasconi, S. M.**, see *Mohn, J.*, 232
- Bernhard, S.**, see *Tibbitt, M. W.*, 1034
- Bizzotto, F.**, see *Arenz, M., Broekmann, B.*, 707
- Blacker, A. J.**, see *Bourne, R. A.*, 817
- Blattmann, P.**, see *Aebersold, R.*, 540
- Bleiner, D.**, see *Schinkel, L.*, 504
- Bleiziffer, P.**, see *Riniker, S.*, 1024
- Blondel, D.**, see *Lutolf, M. P.*, 81
- Bochet, C. G.**, On the Sustainability of Photochemical Reactions, 720
- Bochet, C. G., Renaud, P., Lüthi, H. P.**, Conference Report: Swiss Summer School ‘Trends in Organic Synthesis’ Villars-sur-Ollon, August 18–22, 2019, 950
- Bodi, A.**, see *Hemberger, P.*, 210
- Bodnarchuk, M. I.**, see *Stöferle, T., Kovalenko, M. V.*, 92
- Boero, G., Grisi, M., Montinaro, E., Vincent, F., Pethö, L., Letizia, M. C., Volpe, B., Harris, N., Beck, A., Guidetti, R., Gijs, M., Michler, J., Brugger, J.**, Highlights of Analytical Sciences in Switzerland: CMOS and 3D Printing for NMR Spectroscopy at the Single Embryo Scale, 635
- Boghossian, A. A., Wu, S.-J.**, Analytical Approaches for Monitoring DNA-Protein Interactions, 283
- Bolat, S.**, see *Schift, H.*, 636
- Borkovec, M., Kozhuharov, S., Maroni, P.**, *In situ* Imaging of Single Polyelectrolyte Chains with the Atomic Force Microscope, 17
- Börner, R.**, see *Steffen, F. D., Sigel, R. K. O.*, 257
- Böselt, L.**, see *Riniker, S.*, 1024
- Bouaita, B.**, see *Oufir, M.*, 206
- Bourne, R. A., Manson, J. A., Clayton, A. D., Gonzalez Niño, C., Labes, R., Chamberlain, T. W., Blacker, A. J., Kapur, N.**, A Hybridised Optimisation of an Automated Photochemical Continuous Flow Reactor, 817
- Bourquin, C.**, Bionanomaterials for the Delivery of Cancer Immunotherapy, 69
- Bourquin, J.**, see *Petri-Fink, A.*, 55
- Bouwmeester, H.**, see *De Mesmaeker, A.*, 549
- Bovone, G.**, see *Tibbitt, M. W.*, 1034
- Braun, A., Chen, Q., Yelon, A.**, Hole and Protonic Polarons in Perovskites, 936
- Braun, A., Toth, R.**, Conference Report: Swiss Stakeholder Workshop for the SUNRISE H2020 FET-Flagship Project, 952
- Bravo-Veyrat, S.**, see *Hopfgartner, G.*, 416
- Brodard, P., Dabros, M., Marti, R., Vanoli, E., Zinn, M., Frey, U., Adlhart, C., Kind, L., Koch, F., Burgio, F., Stenqvist, J., Sixer, S., Pieles, U., Shahgaldian, P., Wendeborn, S.**, FHES Universities of Applied Sciences: Materials Science at Swiss Universities of Applied Sciences, 645
- Brodard, P.**, Conference Report: Annual Meeting of the Swiss Society for Thermal Analysis and Calorimetry (STK), 2019, May 15, 2019 at ARMASUISSE, General Herzog Haus, CH-3602 Thun, Switzerland, 770
- Brodmann, P.**, see *Kübler, E.*, 422
- Broekmann, B., Arenz, M., Dutta, A., Bizzotto, F., Quinson, J., Zana, A., Morstein, C. E., Rahaman, M., Cedeño López, A.**, Catalyst Development for Water/CO<sub>2</sub> Co-electrolysis, 707
- Broekmann, P., Arenz, M., de Jesús Gálvez-Vázquez, M., Alinejad, S., Hu, H., Hou, Y., Moreno-García, P., Zana, A., Wiberg, G. K. H.**, Testing a Silver Nanowire Catalyst for the Selective CO<sub>2</sub> Reduction in a Gas Diffusion Electrode Half-cell Setup Enabling High Mass Transport Conditions, 922
- Brogli, R.**, see *Schneider, A., Polacek, N.*, 395
- Brugger, J.**, see *Boero, G.*, 635
- Buller, R., Papadopoulou, A., Hecht, K.**, Enzymatic PET Degradation, 743
- Burden, A. M.**, Pharmacoepidemiology and Big Data Analytics: Challenges and Opportunities when Moving towards Precision Medicine, 1012
- Burgio, F.**, see *Brodard, P.*, 645
- Burnand, D.**, see *Petri-Fink, A.*, 55
- Burns, N., Rifaie-Graham, O., Apebende, E. A.**, Bio-Inspired Polymersome Nanoreactors, 21
- Calvino, C.**, see *Schrettl, S., Weder, C.*, 7
- Campomanes, P.**, see *Vanni, S.*, 78
- Campos-Giménez, E., Oberson, J.-M.**, Highlights of Analytical Sciences in Switzerland: Fat-soluble Vitamins in Foods: Analysis by Supercritical Fluid Chromatography Coupled to Mass Spectrometry, 836
- Canonica, E.**, see *Schinkel, L.*, 504
- Capper, S.**, see *Weder, C.*, 86
- Čavlović, D., Jurčík, M.**, Molecular Magnetic Switches, 313
- Cedeño López, A.**, see *Arenz, M., Broekmann, B.*, 707
- Cerotti, M., Musil, F.**, Machine Learning at the Atomic Scale, 972
- Chamberlain, T. W.**, see *Bourne, R. A.*, 817
- Chapuis, C., Skuy, D., Richard, C.-A.**, Syntheses of Methyl Jasmonate and Analogues, 194
- Chappuis, T., Hengsberger, S., Leignel, G., Véron du Breuil, E., Cotting, C., Meuwly, R., Dutoit, J.-M.**, FHES Universities of Applied Sciences: Microparticles as Additives for Increasing the Mechanical Stiffness of Polypropylene, 1039
- Chen, Q., Yelon, A., Braun, A.**, Hole and Protonic Polarons in Perovskites, 936

- Chen, Y.*, see *Ley, S. V.*, 792  
*CHIMIA*, CHIMIA News, 1  
*CHIMIA*, Instructions to Authors 2019, 2  
*CHIMIA*, Corrigendum: *CHIMIA* 2019, 73, 571–580, 850  
*Christensen, A. S.*, see *von Lilienfeld, O. A.*, 1028  
*Citterio, D., Bakker, E., Soda, Y.*, Highlights of Analytical Sciences in Switzerland: Equipment-free Detection of K<sup>+</sup> on Paper, 944  
*Clayton, A. D.*, see *Bourne, R. A.*, 817  
*Cléry, A., Allain, F. H.-T., Gillioz, L., Nguyen, C. K. X.*, A Step-by-Step Guide to Study Protein–RNA Interactions, 406  
*Comas-Vives, A.*, see *Foppa, L.*, 239  
*Conder, J.*, see *Hee Kwon, N., Fromm, K. M.*, 880  
*Constable, E. C.*, see *Houscroft, C. E.*, 462  
*Constable, E. C.*, Chemical Education: The Short and Sad Life of Helvetium – an Element that Never Was, 507  
*Constable, E. C.*, Chemical Education: From Glyph to Element Symbol - A Story of Names, 837  
*Constable, E. C., Houscroft, C. E.*, Editorial: Materials for Energy Conversion, 865  
*Contu, L.*, see *Thiel, V., Mühlmann, O.*, 374  
*Copéret, C., Gordon, C. P.*, Chemical Shift Tensors – Why Should We Care? 252  
*Corminboeuf, C., Gryn'ova, G.*, Conceptual Framework of Organic Electronics, 245  
*Corminboeuf, C., Fabrizio, A., Meyer, B., Fabbregat, R.*, Quantum Chemistry Meets Machine Learning, 983  
*Cottens, S.*, see *Sedrani, R.*, 581  
*Cotting, C.*, see *Hengsberger, S., Chappuis, T.*, 1039  
*Cougnon, F. B. L., Pazos, E.*, Conference Report: The 54th Conference on Stereochemistry: Bürgenstock Conference 2019, Brünnen, May 5 – 9, 2019, 511  
*Cramer, N., Grosheva, D.*, Exploitation of Unconventional Electrophiles in Enantioselective Pd(0)-Catalyzed C–H Functionalizations, 262  
*Creus, M.*, see *Rossel, T.*, 599  
*Crippa, F.*, see *Petri-Fink, A.*, 51  
*Crippa, F.*, see *Petri-Fink, A.*, 55  
*Dabros, M.*, see *Brodard, P.*, 645  
*de Jesús Gálvez-Vázquez, M.*, see *Broekmann, P., Arenz, M.*, 922  
*De Matos, M.*, see *Pascolo, S.*, 391  
*De Mesmaeker, A.*, Editorial: SCS laureates and Awards & Fall Meeting 2019, 537  
*De Mesmaeker, A., Screpanti, C., Fonné-Pfister, R., Lachia, M., Lumbruso, A., Bouwmeester, H.*, Design, Synthesis and Biological Evaluation of Strigolactone and Strigolactam Derivatives for Potential Crop Enhancement Applications in Modern Agriculture - Sandmeyer Award 2018, 549  
*di Giannantonio, M.*, see *Schrett, S., Weder, C.*, 7  
*Di Silvestro, A.*, see *Mayor, M.*, 455  
*Dong, R.*, see *Feng, X.*, 480  
*Du, H.*, see *Amstad, E.*, 29  
*Du, Y.*, see *Luterbacher, J. S.*, 698  
*Dufresne, E. R., Sai, T., Wilts, B. D., Sicher, A., Steiner, U., Scheffold, F.*, When Black and White Make Green: the Surprising Interplay of Structure and Pigments, 47  
*Dupasquier, J.*, see *Mayer, M.*, 59  
*Dutoit, J.-M.*, see *Hengsberger, S., Chappuis, T.*, 1039  
*Dütsch, H.*, see *Koch, K.*, 639  
*Dutta, A.*, see *Arenz, M., Broekmann, B.*, 707  
*Dyson, P. J.*, Medicinal Chemistry and Chemical Highlights: Ruthenium – A Non-essential Element that May Become Essential in Treating Chemoresistant Cancers, 332  
*Emmenegger, L.*, see *Mohn, J.*, 232  
*Emsley, L.*, see *Milić, J. V.*, 317  
*Ernst, K.-H.*, Conference Report: Chirality@ The Nanoscale Symposium, 1042  
*Ertl, P.*, see *Lewis, R. A.*, 1001  
*Escher, F.*, SCNAT: Chemical Landmark 2018 – Birthplace of Ovomaltine, 107  
*Esposito, C.*, see *Riniker, S.*, 1024  
*Fabbri, E., Ferri, D., Pergolesi, D.*, Energy Conversion Processes with Perovskite-type Materials, 913  
*Fabregat, R.*, see *Corminboeuf, C.*, 983  
*Fabrizio, A.*, see *Corminboeuf, C.*, 983  
*Feng, X., Sahabudeen, H., Dong, R.*, Interfacial Synthesis of Structurally Defined Organic Two-dimensional Materials: Progress and Perspectives, 480  
*Fenner, K.*, The Swiss Chemical Society Establishes a New Section on 'Chemistry and the Environment' (SCE), 644  
*Fennouri, A.*, see *Mayer, M.*, 59  
*Ferri, D., Pergolesi, D., Fabbri, E.*, Energy Conversion Processes with Perovskite-type Materials, 913  
*Filella, M., Turner, A.*, Highlights of Analytical Sciences in Switzerland: Hazardous Plastics in Swiss Lakes? 91  
*Filippini, P.*, see *Venturoni, F.*, 809  
*Fischer, R.*, see *Oetken, M.*, 945  
*Fitzpatrick, D. E.*, see *Ley, S. V.*, 792  
*Fonné-Pfister, R.*, see *De Mesmaeker, A.*, 549  
*Foppa, L., Larmier, K., Comas-Vives, A.*, What Can We Learn from First Principles Multi-Scale Models in Catalysis? The Role of the Ni/Al<sub>2</sub>O<sub>3</sub> Interface in Water-Gas Shift and Dry Reforming as a Case Study, 239  
*Freisinger, E., Sigel, R. K. O.*, The Bioinorganic Periodic Table, 185  
*Freisinger, E.*, see *Steffen, F. D., Sigel, R. K. O.*, 257  
*French, L. E.*, see *Pascolo, S.*, 391  
*Frey, U.*, see *Brodard, P.*, 645  
*Fromm, K. M.*, see *Schrett, S., Weder, C.*, 7  
*Fromm, K. M., Abram, S., Yep, P.*, Synthesis and Applications of Nanocontainers and Nanorattles, 12  
*Fromm, K. M., Hee Kwon, N., Conder, J., Sroult, M.*, Surface Modifications of Positive-Electrode Materials for Lithium Ion Batteries, 880  
*Fuchs, J. A.*, see *Steuer, C.*, 330  
*Fürstenberg, T., Kumpulainen, T.*, Photochemistry Section: SCS Photochemistry Section Meeting – Fribourg, June 14, 2019, 840  
*Gallou, F.*, Editorial: Green and Sustainable Chemistry, 681  
*Gallou, F.*, see *Sparr, C., Parmentier, M.*, 714  
*Gallou, F., Onken, U., Koettgen, A., Scheidat, H., Schuepp, P.*, Environmental Metrics to Drive a Cultural Change: Our Green Eco-Label, 730  
*Gao, J.*, see *Grätzel, M.*, 928  
*Gatfield, D.*, see *Pascolo, S.*, 391  
*Geiser, H. C.*, see *Zarn, J. A.*, 832  
*Gerber, S.*, Editorial: Laureates: Junior Prizes of the SCS Fall Meeting 2018, 229  
*Gerber, T.*, see *Hemberger, P.*, 210  
*Gijs, M.*, see *Boero, G.*, 635  
*Gillioz, L.*, see *Cléry, A., Allain, F. H.-T.*, 406  
*Glushkov, E., Radenovic, A., Navikas, V.*, Fluorescent Nanodiamonds as Versatile Intracellular Temperature Sensors, 73  
*Godineau, E.*, SusChem Switzerland, Phase II, 641  
*Godineau, E., Battilocchio, C.*, Editorial: Continuous Flow Chemistry – Industry and Academia Perspectives, 789  
*Godineau, E., Battilocchio, C., Lal, M.*, Building up a Continuous Flow Platform as an Enabler to the Preparation of Intermediates on Kilogram Scale, 828  
*Godt, A.*, see *Ritsch, I.*, 262  
*Gonzalez Niño, C.*, see *Bourne, R. A.*, 817  
*Gordon, C. P.*, see *Copéret, C.*, 252  
*Grätzel, M.*, see *Milić, J. V.*, 317  
*Grätzel, M., Ren, D., Gao, J., Zakeeruddin, S. M.*, Bimetallic Electrocatalysts for Carbon Dioxide Reduction, 928  
*Grisi, M.*, see *Boero, G.*, 635  
*Grisoni, F.*, see *Schneider, G.*, 1006  
*Grosheva, D.*, see *Cramer, N.*, 262  
*Gryn'ova, G.*, see *Corminboeuf, C.*, 245  
*Guelat, B.*, see *Venturoni, F.*, 809  
*Guidetti, R.*, see *Boero, G.*, 635  
*Guillet, F. B.*, see *Oufir, M.*, 206  
*Gurdal, Y., Probst, B., Alberto, R., Iannuzzi, M.*, [Co<sup>II</sup>(BPYPy<sub>2</sub>COH)(OH<sub>2</sub>)]<sup>2+</sup>: A Catalytic Pourbaix Diagram and AIMD Simulations on Four Key Intermediates, 906  
*Guzzi, E. A.*, see *Tibbitt, M. W.*, 1034  
*Gygax, D.*, Biotechnet Switzerland: Oreste Ghisalba – ein Nachruf, 99  
*Haber, J.*, see *Venturoni, F.*, 809  
*Haeni, L.*, see *Rothen-Rutishauser, B., Scheffold, F.*, 43  
*Haeni, L.*, see *Mayer, M.*, 59  
*Hagemann, H., Perret, D., Laty, G.*, Conference Report: « Élémentaire ! » – The 2019 Science Contest for Schools in Geneva to Celebrate the International Year of the Periodic Table, 656  
*Hagemann, H.*, Boron Hydrogen Compounds for Hydrogen Storage and as Solid Ionic Conductors, 868  
*Hagfeldt, A., Vlachopoulos, N.*, Photoelectrochemical Cells Based on Dye Sensitization for Electricity and Fuel Production, 894  
*Hall, J., Röthlisberger, P., Berk, C.*, RNA Chemistry for RNA Biology, 368  
*Hall, J.*, Medicinal Chemistry and Chemical Biology Highlights: Phosphorus - Friend of the Medicinal Chemist, 1035  
*Hamburger, M.*, see *Oufir, M.*, 206

- Han, H., see Zambelli, T., 1033
- Häner, R., Vybornyi, M., Yu, H., Nano-thin 2D Soft Materials – Design Principles and Prospects, 468
- Hanik, N., see Zinn, M., 841
- Harris, N., see Boero, G., 635
- Haskal, E., see Weder, C., 86
- Hecht, K., see Boller, R., 743
- Hee Kwon, N., Fromm, K. M., Conder, J., Trout, M., Surface Modifications of Positive-Electrode Materials for Lithium Ion Batteries, 880
- Heeb, N., see Schinkel, L., 504
- Heinzelmann, E., Biotechnet Switzerland: A New Technology Breaks Through: 1000-Litre Microbial Fuel Cell Generates Pure Water and Electricity, 334
- Heinzelmann, E., Biotechnet: BioTech 2019 – ZHAW Waedenswil, 2 – 3 July, 2019: Part 1 From Innovation to Technology Breakthrough, 763
- Heinzelmann, E., Biotechnet: BioTech 2019 – ZHAW Waedenswil, July 4, 2019: Part 2 The Future of Food: Cellular Agriculture, 767
- Helm, L., Merbach, A. E., The Periodic Table and Kinetics? 179
- Hemberger, P., Gerber, T., Bodi, A., Conference Report: PTPC2019: Photon Tools for Physical Chemistry 2019, 210
- Hengsberger, S., Chappuis, T., Leignel, G., Véron du Breuil, E., Cotting, C., Meuwly, R., Dutoit, J.-M., FHHES Universities of Applied Sciences: Microparticles as Additives for Increasing the Mechanical Stiffness of Polypropylene, 1039
- Herditschka, A., see Wennemers, H., 450
- Herdweck, V., Lüthi, H. P., SCS Foundation: Meet&Greet Event 2019 of the Alfred Werner Scholars, 771
- Hettich, T., see Oufir, M., 206
- Hintz, H., see Ritsch, I., 262
- Honciuc, A., Kang, C., A Diversity of Asymmetric Nano-/Microcolloidal Architectures Grown by ATRP from Janus Seeds, 324
- Hopfgartner, G., Bravo-Veyrat, S., Highlights of Analytical Science in Switzerland: A Generic Approach for High-throughput Blood Analysis, 416
- Horváth, B., see Schiff, H., 636
- Hou, Y., see Broekmann, P., Arenz, M., 922
- Housecroft, C. E., Chemical Education: The Fungus *Amanita muscaria*: From Neurotoxins to Vanadium Accumulation, 96
- Housecroft, C. E., Chemical Education: Nature's Chemical Weapons: Beetle Defenses, 420
- Housecroft, C. E., Constable, E. C., Ditopic and Tetratopic 4,2':6',4"-Terpyridines as Structural Motifs in 2D- and 3D-Coordination Assemblies, 462
- Housecroft, C. E., Chemical Education: The Colour Violet: Chemistry or Physics? 760
- Housecroft, C. E., Constable, E. C., Editorial: Materials for Energy Conversion, 865
- Housecroft, C. E., Chemical Education: The Sting's the Thing, 1037
- Hu, H., see Broekmann, P., Arenz, M., 922
- Iannuzzi, M., see Probst, B., Gurdal, Y., 906
- Jeschke, G., see Ritsch, I., 262
- Johnson, D. A., see Williams, A. F., 144
- Jordi, A., see Merz, L., 659
- Joss, D., Rigo, S., Christoffel, F., Herr, P., Murańska, G., Sauter, B., Stampfli, A., Urosev, I., Vallapurackal, J., Conference Report: Christmas Symposium Basel, December 7, 2018, 98
- Jullien, P. E., Schröder, J. A., The Diversity of Plant Small RNAs Silencing Mechanisms, 362
- Jurićek, M., Čavlovic, D., Molecular Magnetic Switches, 313
- Kaldre, D., see Sparr, C., Parmentier, M., 714
- Kallen, J., see Sedrani, R., 581
- Kantnerová, K., see Mohn, J., 232
- Kapur, N., see Bourne, R. A., 817
- Karman, M., see Schrettl, S., Weder, C., 7
- Kilbinger, A. F. M., Alizadeh, M., Tennie, I. K., Steiner, U., Towards Polymers with Molecular Auxeticity, 25
- Kilbinger, A., see Weder, C., 86
- Kind, L., see Brodard, P., 645
- Klok, H.-A., Metze, F. K., Mechanoresponsive Micro- and Nanoparticles, 35
- Klose, D., see Ritsch, I., 262
- Koch, F., see Brodard, P., 645
- Koch, K., Dütsch, H., Chemical Education: Chemische Experimente zum «International Year of the Periodic Table IYPT2019», 639
- Koettgen, A., see Gallou, F., 730
- Koichi, S., Lüthi, H. P., Exploring Machine Learning Tools for the Prediction of the Stability of New Togni-type Reagents, 990
- Kovalenko, M. V., Stöferle, T., Rainò, G., Becker, M. A., Bodnarchuk, M. I., Mahrt, R. F., Polymer and Colloid Highlights: Superfluorescence from Nanocrystal Superlattices, 92
- Kozhuharov, S., see Borkovec, M., 17
- Krivová, B., see Schiff, H., 636
- Kubicki, D. J., see Milić, J. V., 317
- Kübler, E., Weston, A., Brodmann, P., Widmer, M., Bartel, J., FHHES Universities of Applied Sciences: Development of a DNA-based Assay to Detect and Quantify Tropane Alkaloids Producing Thornapple Contaminations in Processed Food, 422
- Kumpulainen, T., Fürstenberg, T., Photochemistry Section: SCS Photochemistry Section Meeting – Fribourg, June 14, 2019, 840
- Kundig, T., see Pascolo, S., 391
- Labes, R., see Bourne, R. A., 817
- Lachia, M., see De Mesmaeker, A., 549
- Laino, T., Nair, V. H., Schwaller, P., Data-driven Chemical Reaction Prediction and Retrosynthesis, 997
- Lal, M., see Godineau, E., Battilocchio, C., 828
- Lamberth, C., Episodes from the Continuous Search for Solutions against Downy Mildew Diseases - SISF-SCS Industrial Investigator Award 2018, 571
- Lan, W., see Luterbacher, J. S., 591
- Larmier, K., see Foppa, L., 239
- Lattuada, M., see Schrettl, S., Weder, C., 7
- Lattuada, M., Effect of Clustering on the Heat Generated by Superparamagnetic Iron Oxide Nanoparticles, 39
- Laurent, Q., see Martinent, R., Matile, S., 304
- Lavrenova, A., see Schrettl, S., Weder, C., 7
- Leignel, G., see Hengsberger, S., Chappuis, T., 1039
- Lemal, P., see Petri-Fink, A., 55
- Lenz, M., Schmidt, F., Schäffer, A., Renewable Energy from Finite Resources: Example of Emerging Photovoltaics, 874
- Letizia, M. C., see Boero, G., 635
- Lewandowski, B., see Wennemers, H., 450
- Lewis, R. A., Ertl, P., Schneider, N., Stiefl, N., Reducing the Concepts of Data Science and Machine Learning to Tools for the Bench Chemist, 1001
- Ley, S. V., Chen, Y., Fitzpatrick, D. E., May, O., A New World for Chemical Synthesis? 792
- Lienemann, P., see Schinkel, L., 504
- List, J., see Mayer, M., 59
- List, J., see Rüegg, C., 63
- Loureiro, H., see Wuitschik, G., 724
- Luedtke, N. W., Johnson, A., Loehr, M. O., Schreier, Karimi, A., Swiss Science Concentrates, 90, 205
- Luksch, T., Lüthi, H. P., Editorial: Artificial Intelligence in Swiss Chemical Research, 969
- Lumbroso, A., see De Mesmaeker, A., 549
- Luterbacher, J. S., Lan, W., Preventing Lignin Condensation to Facilitate Aromatic Monomer Production - Werner Prize 2019, 591
- Luterbacher, J. S., Du, Y., Designing Heterogeneous Catalysts for Renewable Catalysis Applications Using Metal Oxide Deposition, 698
- Lüthi, H. P., Alberto, R., Welcome to the 2019 Fall Meeting of the Swiss Chemical Society (SCS), 605
- Lüthi, H. P., Herdtweck, V., SCS Foundation: Meet&Greet Event 2019 of the Alfred Werner Scholars, 771
- Lüthi, H. P., Bochet, C. G., Renaud, P., Conference Report: Swiss Summer School 'Trends in Organic Synthesis' Villars-sur-Ollon, August 18–22, 2019, 950
- Lüthi, H. P., Luksch, T., Editorial: Artificial Intelligence in Swiss Chemical Research, 969
- Lüthi, H. P., Koichi, S., Exploring Machine Learning Tools for the Prediction of the Stability of New Togni-type Reagents, 990
- Lutolf, M. P., Blondel, D., Bioinspired Hydrogels for 3D Organoid Culture, 81
- Maciel, E., see Mansuy, I. M., 356
- Mäder, P., Medicinal Chemistry and Chemical Biology Highlights: Boron in Medicinal Chemistry: Powerful, but Neglected, 637
- Mahrt, R. F., see Stöferle, T., Kovalenko, M. V., 92
- Manley, P. W., Investigations into the Potential Role of Metabolites on the Anti-Leukemic Activity of Imatinib, Nilotinib and Midostaurin - SISF-SCS Distinguished Investigator Award 2018, 561
- Manson, J. A., see Bourne, R. A., 817
- Mansuy, I. M., Maciel, E., Extracellular Vesicles and their miRNA Cargo: A Means of Communication between Soma and Germline in the Mammalian Reproductive System, 356
- Maroni, P., see Borkovec, M., 17
- Marti, R., see Brodard, P., 645

- Martinent, R., Matile, S., Laurent, Q., Sakai, N., Cellular Uptake Mediated by Cyclic Oligo-chalcogenides, 304*
- Martinez, V., see Zambelli, T., 1033*
- Mateos, C., Lilly Research Award Program (LRAP): A Successful Academia-Industry Partnership Model in the Context of Flow Chemistry for Drug Discovery, 803*
- Matile, S., Martinent, R., Laurent, Q., Sakai, N., Cellular Uptake Mediated by Cyclic Oligo-chalcogenides, 304*
- May, O., see Ley, S. V., 792*
- Mayer, M., Fennouri, A., List, J., Dupasquier, J., Haeni, L., Vanni, S., Rothen-Rutishauser, B., Templated Assembly of Pore-forming Peptides in Lipid Membranes, 59*
- Mayer, M., see Rüegg, C., 63*
- Mayor, M., Di Silvestro, A., From the Loom to the Laboratory: Molecular Textiles, 455*
- Melle, P., see Albrecht, M., 299*
- Merbach, A. E., Helm, L., The Periodic Table and Kinetics? 179*
- Merz, L., SCNAT: 2019 Chemistry Travel Award by SCNAT and SCS, 514*
- Merz, L., Jordi, A., SCNAT: The Jungfraujoch Research Station Designated as the Chemical Landmark 2019, 659*
- Merz, L., Solomek, T., Rivera-Fuentes, P., SCNAT: 12th Young Faculty Meeting, 28th May 2019, 772*
- Metze, F. K., see Klokk, H.-A., 35*
- Meuwly, R., see Hengsberger, S., Chappuis, T., 1039*
- Meyer, B., see Corminboeuf, C., 983*
- Michler, J., see Boero, G., 635*
- Mihovilovic, M. D., see Oufir, M., 206*
- Milić, J. V., Kubicki, D. J., Emsley, L., Grätzel, M., Multifunctional Molecular Modulation for Efficient and Stable Hybrid Perovskite Solar Cells, 317*
- Milosevic, A., see Petri-Fink, A., 55*
- Mingos, D. M. P., Development of Bonding Models Based on the Periodic Table, 152*
- Minkowski, C., Ruff, M., Ryser, R., Highlights of Analytical Sciences in Switzerland: Micro-pollutants in Bernese Waters, 759*
- Mohn, J., Kantnerová, K., Tuzson, B., Emmenegger, L., Bernasconi, S. M., Quantifying Isotopic Signatures of N<sub>2</sub>O Using Quantum Cascade Laser Absorption Spectroscopy, 232*
- Monnier, C. A., see Petri-Fink, A., 55*
- Montero de Espinosa, L., Weder, C., Rüegg, C., Editorial: NCCR Bio-Inspired Materials, 6*
- Montero de Espinosa, L., see Weder, C., 86*
- Montinaro, E., see Boero, G., 635*
- Moreno-García, P., see Broekmann, P., Arenz, M., 922*
- Morstein, C. E., see Arenz, M., Broekmann, B., 707*
- Mostarda, S., see Venturoni, F., 809*
- Mühlemann, O., Allain, F., Editorial: NCCR RNA & Disease, 353*
- Mühlemann, O., Thiel, V., Contu, L., Steiner, S., The Role of Stress Granules and the Non-sense-mediated mRNA Decay Pathway in Antiviral Defence, 374*
- Müller, K., Medicinal Chemistry and Chemical Biology Highlights: Organic Fluorine: The Mighty Mite, 417*
- Musil, F., see Ceriotti, M., 972*
- Musso, T., Atomistic Simulations in Surface Chemistry to Interpret Scanning Probe Microscopy Images: A Short Review, 294*
- Nair, V. H., see Laino, T., 997*
- Navikas, V., see Glushkov, E., Radenovic, A., 73*
- Neumann, L. N., see Schrettl, S., Weder, C., 7*
- Neumann, L. N., Schrettl, S., Weder, C., Healing of Polymeric Solids by Supramolecular Means, 277*
- Nguyen, C. K. X., see Cléry, A., Allain, F. H.-T., 406*
- Niepel, T. S. G., see Zenobi, R., 493*
- O'Meadhra, R., see Venturoni, F., 809*
- Oberson, J.-M., see Campos-Giménez, E., 836*
- Oetken, M., Fischer, R., Chemical Education: Visualization of Latent Fingerprints on Aluminum, 945*
- Onken, U., see Gallou, F., 730*
- Oufir, M., Zabela, V., Hettich, T., Schlotterbeck, G., Wimmer, L., Mihovilovic, M. D., Guillet, F., Highlights of Analytical Chemistry in Switzerland: Piperine Analogs as Modulators of the Central Nervous System, 206*
- Pandey, Y., see Zenobi, R., 493*
- Papadopoulou, A., see Boller, R., 743*
- Parmentier, M., Sparre, C., Kaldre, D., Gallou, F., Interface-rich Aqueous Systems for Sustainable Chemical Synthesis, 714*
- Pascolo, S., Tusup, M., French, L. E., De Matos, M., Gatfield, D., Kundig, T., Design of *in vitro* Transcribed mRNA Vectors for Research and Therapy, 391*
- Paunovic, V., see Pérez-Ramírez, J., 288*
- Pazos, E., Cougnon, F. B. L., Conference Report: The 54th Conference on Stereochemistry: Bürgenstock Conference 2019, Brünning, May 5–9, 2019, 511*
- Pérez-Berlanga, M., see Polymenidou, M., 380*
- Pérez-Ramírez, J., Zichittella, G., Paunović, V., Mechanistic Understanding of Halogen-mediated Catalytic Processes for Selective Natural Gas Functionalization, 288*
- Pergolesi, D., Ferri, D., Fabri, E., Energy Conversion Processes with Perovskite-type Materials, 913*
- Pethö, L., see Boero, G., 635*
- Petretto, E., see Vanni, S., 78*
- Petri-Fink, A., Crippa, F., Rothen-Rutishauser, B., Magneto-responsive Cell Culture Substrates that can be Modulated *in situ*, 51*
- Petri-Fink, A., see Rüegg, C., 63*
- Petri-Fink, A., see Vanni, S., 78*
- Pfeifer, M. E., Ulrich, D., Biotechnet Switzerland: Report of the 2nd Swiss Symposium in Point-of-Care Diagnostics, Chur, October 18, 2018, 101*
- Piccioni, L., see Venturoni, F., 809*
- Pielies, U., see Brodard, P., 645*
- Piguet, C., Set Aside when Building the Periodic Table 150 Years ago, are Rare Earths any better considered by Chemists in the 21st Century? 165*
- Pilkington, R. L., see Polyzos, A., 823*
- Pilloud, F., Pouransari, N., Renard, L., Steidle, R., Bromine Recycling in the Chemical Industry - An Example of Circular Economy, 737*
- Polacek, N., Schneider, A., Shikha, S., Brogli, R., tRNA Biology in Trypanosomes, 395*
- Polen, J., see Venturoni, F., 809*
- Polymenidou, M., Afroz, T., Pérez-Berlanga, M., Structural Transition, Function and Dysfunction of TDP-43 in Neurodegenerative Diseases, 380*
- Polyzos, A., Pilkington, R. L., Rossouw, N. P., van As, D. J., A Chemoselective and Scalable Transfer Hydrogenation of Aryl Imines by Rapid Continuous Flow Photoredox Catalysis, 823*
- Pouransari, N., see Pilloud, F., 737*
- Prem, M., see Wuitschik, G., 724*
- Probst, B., Gurdal, Y., Alberto, R., Iannuzzi, M., [Co<sup>II</sup>(BPyPy<sub>2</sub>COH)(OH)<sub>2</sub>]<sup>2+</sup>: A Catalytic Pourbaix Diagram and AIMD Simulations on Four Key Intermediates, 906*
- Probst, D., see Reymond, J.-L., 1018*
- Quinson, J., see Arenz, M., Broekmann, B., 707*
- Radenovic, A., Glushkov, E., Navikas, V., Fluorescent Nanodiamonds as Versatile Intracellular Temperature Sensors, 73*
- Rafiee, S., see Rüegg, C., 63*
- Rahaman, M., see Arenz, M., Broekmann, B., 707*
- Rainò, G., see Stöferle, T., Kovalenko, M. V., 92*
- Reis, C., see Rüegg, C., 63*
- Ren, D., see Grätzel, M., 928*
- Renard, L., see Pilloud, F., 737*
- Renaud, P., Liithi, H. P., Bochet, C. G., Conference Report: Swiss Summer School 'Trends in Organic Synthesis' Villars-sur-Ollon, August 18–22, 2019, 950*
- Reymond, J.-L., Arús-Pous, J., Awale, M., Probst D., Exploring Chemical Space with Machine Learning, 1018*
- Richard, C.-A., see Chapuis, C., 194*
- Rifaie-Graham, O., see Burns, N., 21*
- Riniker, S., Wang, S., Bleiziffer, P., Bösel, L., Esposito, C., Machine Learning with and for Molecular Dynamics Simulations, 1024*
- Ritsch, I., Klose, D., Hintz, H., Godt, A., Jeschke, G., Yulikov, M., Pulsed EPR Methods to Study Biomolecular Interactions, 268*
- Rivera-Fuentes, P., Merz, L., Solomek, T., SCNAT: 12th Young Faculty Meeting, 28th May 2019, 772*
- Rodriguez-Lorenzo, L., see Petri-Fink, A., 55*
- Rodriguez-Lorenzo, L., see Rüegg, C., 63*
- Rossel, T., Creus, M., «La Chimie en Couleurs»: Socially Relevant & Original Research in Chemistry in High Schools Using Modest Resources - Balmer Prize 2018, 599*
- Rossouw, N. P., see Polyzos, A., 823*
- Rothen-Rutishauser, B., Scheffold, F., Zenuni, A., Zhang, C., Haeni, L., Structure and Sedimentation Kinetics of Dense Suspensions of Fibroblast Cells, 43*
- Rothen-Rutishauser, B., Milosevic, A., Bourquin, J., Burnand, D., Lemal, P., Crippa, F., Monnier, C. A., Rodriguez-Lorenzo, L., Petri-Fink, A., Artificial Lysosomal Platform to Study Nanoparticle Long-term Stability, 55*
- Rothen-Rutishauser, B., see Petri-Fink, A., 51*
- Rothen-Rutishauser, B., see Mayer, M., 59*

- Rothen-Rutishauser, B.*, see *Rüegg, C.*, 63  
*Rothen-Rutishauser, B.*, see *Vanni, S.*, 78  
*Rothen-Rutishauser, B.*, see *Weder, C.*, 86  
*Röthlisberger, P.*, see *Hall, J.*, 368  
*Rüegg, C.*, *Montero de Espinosa, L.*, *Weder, C.*, Editorial: NCCR Bio-Inspired Materials, 6  
*Rüegg, C.*, *Reis, C.*, *Rafiee, S.*, *Rodriguez-Lorenzo, L.*, *List, J.*, *Rothen-Rutishauser, B.*, *Mayer, M.*, *Petri-Fink, A.*, A Bio-Inspired Amplification Cascade for the Detection of Rare Cancer Cells, 63  
*Rüegg, C.*, see *Weder, C.*, 86  
*Ruff, M.*, see *Minkowski, C.*, 759  
*Ryser, R.*, see *Minkowski, C.*, 759
- Sagara, Y.*, see *Schrettl, S.*, *Weder, C.*, 7  
*Sahabudeen, H.*, see *Feng, X.*, 480  
*Sai, T.*, see *Dufresne, E. R.*, 47  
*Sakai, N.*, see *Martinent, R.*, *Matile, S.*, 304  
*Saudan, L.*, 85 Years of Catalysis at Firmenich, 684  
*Saxer, S.*, see *Brodard, P.*, 645  
*Schäfer, R. J. B.*, see *Wennermeyer, H.*, 308  
*Schäffer, A.*, see *Lenz, M.*, 874  
*Scheffold, F.*, *Rothen-Rutishauser, B.*, *Zenuni, A.*, *Zhang, C.*, *Haeni, L.*, Structure and Sedimentation Kinetics of Dense Suspensions of Fibroblast Cells, 43  
*Scheffold, F.*, see *Dufresne, E. R.*, 47  
*Scheidat, H.*, see *Gallou, F.*, 730  
*Schenkel, B.*, see *Venturoni, F.*, 809  
*Schift, H.*, *Horváth, B.*, *Krivovalá, B.*, *Bolat, S.*, Polymer and Colloid Highlights: Microfluidics Meets Printed Electronics, 636  
*Schinkel, L.*, *Canonica, E.*, *Lienemann, P.*, *Bleiner, D.*, *Heeb, N.*, Highlights of Analytical Sciences in Switzerland: Mass Spectrometric Analysis of Short-chain Chlorinated Paraffins in Plastic Consumer Products, 504  
*Schlotterbeck, G.*, see *Oufir, M.*, 206  
*Schlüter, A. D.*, Editorial: Dimensionality in Chemistry, 446  
*Schlüter, A. D.*, Progress in Synthetic 2D Polymers Obtained at the Air/Water Interface, 487  
*Schmidt, F.*, see *Lenz, M.*, 874  
*Schneider, A.*, *Polacek, N.*, *Shikha, S.*, *Brogli, R.*, tRNA Biology in Trypanosomes, 395  
*Shikha, S.*, see *Schneider, A.*, *Polacek, N.*, 395  
*Schneider, G.*, *Grisoni, F.*, De novo Molecular Design with Generative Long Short-term Memory, 1006  
*Schneider, N.*, see *Lewis, R. A.*, 1001  
*Schoenebeck, S.*, see *Venturoni, F.*, 809  
*Schrettl, S.*, *Weder, C.*, *Balkenende, D. W. R.*, *Calvino, C.*, *Karman, M.*, *Lavrenova, A.*, *Neumann, L. N.*, *Sagara, Y.*, *Verde-Sesto, E.*, *di Giannantonio, M.*, *Simon, Y. C.*, *Fromm, K. M.*, *Lattuada, M.*, Functional Polymers Through Mechanochemistry, 7  
*Schrettl, S.*, *Neumann, L. N.*, *Weder, C.*, Healing of Polymeric Solids by Supramolecular Means, 277  
*Schröder, J. A.*, see *Jullien, P. E.*, 362  
*Schuepp, P.*, see *Gallou, F.*, 730  
*Schuler, W.*, see *Sedrani, R.*, 581  
*Schwaller, P.*, see *Laino, T.*, 997  
*SCNAT*, Elections to the SCNAT «Platform Chemistry» Board, 212  
*SCNAT/Swiss Chemical Society*, 2019 Chemistry Travel Award, 106  
*Scrpanti, C.*, see *De Mesmaeker, A.*, 549  
*SCS Foundation*, Alfred Werner Fund, Master's Student Scholarships, 844  
*Sedrani, R.*, *Cottens, S.*, *Kallen, J.*, *Schuler, W.*, Derivation of Rapamycin: Adventures in Natural Product Chemistry - KGF-SCS Industrial Investigator Award 2017, 581  
*Shahgaldian, P.*, see *Brodard, P.*, 645  
*Shevchenko, B.*, see *Oufir, M.*, 206  
*Sicher, A.*, see *Dufresne, E. R.*, 47  
*Sigel, R. K. O.*, *Freisinger, E.*, The Bioinorganic Periodic Table, 185  
*Sigel, R. K. O.*, *Steffen, F. D.*, *Börner, R.*, *Freisinger, E.*, Stick, Flick, Click: DNA-guided Fluorescent Labeling of Long RNA for Single-molecule FRET, 257  
*Simon, Y. C.*, see *Schrettl, S.*, *Weder, C.*, 7  
*Skuy, D.*, see *Chapuis, C.*, 194  
*Soda, Y.*, see *Citterio, D.*, *Bakker, E.*, 944  
*Solomek, T.*, *Rivera-Fuentes, P.*, *Merz, L.*, SCNAT: 12th Young Faculty Meeting, 28th May 2019, 772  
*Sparr, C.*, *Parmentier, M.*, *Kaldre, D.*, *Gallou, F.*, Interface-rich Aqueous Systems for Sustainable Chemical Synthesis, 714  
*Sroult, M.*, see *Hee Kwon, N.*, *Fromm, K. M.*, 880  
*Steffen, F. D.*, *Sigel, R. K. O.*, *Börner, R.*, *Freisinger, E.*, Stick, Flick, Click: DNA-guided Fluorescent Labeling of Long RNA for Single-molecule FRET, 257  
*Steidle, R.*, see *Pilloud, F.*, 737  
*Steiner, S.*, see *Thiel, V.*, *Mühlemann, O.*, 374  
*Steiner, U.*, see *Kilbinger, A. F. M.*, 25  
*Steiner, U.*, see *Amstad, E.*, 29  
*Steiner, U.*, see *Dufresne, E. R.*, 47  
*Stellacci, F.*, see *Vanni, S.*, 78  
*Stenqvist, J.*, see *Brodard, P.*, 645  
*Steuer, C.*, *Allensbach, M. D.*, *Fuchs, J. A.*, Highlights of Analytical Sciences in Switzerland: Revealing Pre-analytical Pitfalls in Concentration Determination of Peptides by Quantification of Amino Acid Fluorescence, 330  
*Stiefl, N.*, see *Lewis, R. A.*, 1001  
*Stöferle, T.*, *Kovalenko, M. V.*, *Rainò, G.*, *Becker, M. A.*, *Bodnarchuk, M. I.*, *Mahrt, R. F.*, Polymer and Colloid Highlights: Superfluorescence from Nanocrystal Superlattices, 92  
*Streit, A.*, see *Venturoni, F.*, 809  
*Suremann, R.*, see *Venturoni, F.*, 809  
*Suter, M. J.-F.*, Conference Report: CHanalysis 2019, Beatenberg, April 10.–11., 2019, 427  
Swiss Chemical Society, Swiss Chemical Society Annual Report 2018, 128  
Swiss Chemical Society/SCNAT, 2019 Chemistry Travel Award, 106  
*SYCA*, Conference Report: 18th Swiss Snow Symposium, 426  
*TCBM Steering Committee*, Biotechnet: Translation of Academic Health Innovations Goes National - Foundation of the Platform for Swiss Translational and Clinical Bio-Manufacturing (TCBM), 509  
*Tennie, I. K.*, see *Kilbinger, A. F. M.*, 25  
*Thiel, V.*, *Mühlemann, O.*, *Contu, L.*, *Steiner, S.*, The Role of Stress Granules and the Non-sense-mediated mRNA Decay Pathway in Antiviral Defence, 374  
*Tibbitt, M. W.*, *Bernhard, S.*, *Bovone, G.*, *Guzzi, E. A.*, Polymer and Colloid Highlights: Polymer–Nanoparticle Hydrogels, 1034  
*Toth, R.*, *Braun, A.*, Conference Report: Swiss Stakeholder Workshop for the SUNRISE H2020 FET-Flagship Project, 952  
*Truong, N. P.*, see *Anastasaki, A.*, 331  
*Turchanin, A.*, Synthesis of Molecular 2D Materials via Low-energy Electron Induced Chemical Reactions, 480  
*Türler, A.*, The Expansion of the Periodic Table to its Natural Limits, 173  
*Türler, A.*, Medicinal Chemistry and Chemical Biology Highlights: Matched Pair Theranostics, 947  
*Turner, A.*, see *Filella, M.*, 91  
*Tusup, M.*, see *Pascolo, S.*, 391  
*Tuzson, B.*, see *Mohn, J.*, 232  
*Ulrich, D.*, *Pfeifer, M. E.*, Biotechnet Switzerland: Report of the 2nd Swiss Symposium in Point-of-Care Diagnostics, Chur, October 18, 2018, 101  
*van As, D. J.*, see *Polyzos, A.*, 823  
*Vanni, S.*, see *Mayer, M.*, 59  
*Vanni, S.*, *Petretto, E.*, *Campomanes, P.*, *Stellacci, F.*, *Rothen-Rutishauser, B.*, *Petri-Fink, A.*, An Atomistic Look into Bio-inspired Nanoparticles and their Molecular Interactions with Cells, 78  
*Vanoli, E.*, see *Brodard, P.*, 645  
*Venturoni, F.*, *Filippini, P.*, *Guelat, B.*, *Haber, J.*, *Mostarda, S.*, *O'Meadhra, R.*, *Piccioni, L.*, *Polenik, J.*, *Schenkel, B.*, *Schoenebeck, S.*, *Streit, A.*, *Suremann, R.*, *Wegmann, S.*, Fouling of Flow Reactors in Organolithium Mediated Transformations: Experience on Scale-up and Proposed Solution, 809  
*Verde-Sesto, E.*, see *Schrettl, S.*, *Weder, C.*, 7  
*Véron du Breuil, E.*, see *Hengsberger, S.*, *Chapuis, T.*, 1039  
*Vincent, F.*, see *Boero, G.*, 635  
*Vlachopoulos, N.*, see *Hagfeldt, A.*, 894  
*Volpe, B.*, see *Boero, G.*, 635  
*von Lilienfeld, O. A.*, *Christensen, A. S.*, Operator Quantum Machine Learning: Navigating the Chemical Space of Response Properties, 1028  
*Vörös, J.*, see *Zambelli, T.*, 1033  
*Vybornyi, M.*, see *Häner, R.*, 468  
*Wang, S.*, see *Riniker, S.*, 1024  
*Weder, C.*, *Rüegg, C.*, *Montero de Espinosa, L.*, Editorial: NCCR Bio-Inspired Materials, 6  
*Weder, C.*, *Schrettl, S.*, *Balkenende, D. W. R.*, *Calvino, C.*, *Karman, M.*, *Lavrenova, A.*, *Neumann, L. N.*, *Sagara, Y.*, *Verde-Sesto, E.*, *di Giannantonio, M.*, *Simon, Y. C.*, *Fromm, K. M.*, *Lattuada, M.*, Functional Polymers Through Mechanochemistry, 7  
*Weder, C.*, *Capper, S.*, *Haskal, E.*, *Kilbinger, A.*, *Montero de Espinosa, L.*, *Rothen-Rutishauser, B.*, *Rüegg, C.*, Not Just Fundamental Research: Education, Equal Opportunities, Knowledge and Technology Transfer, and Communication at the NCCR Bio-Inspired Materials, 86

- Weder, C., see Neumann, L. N., Schrettl, S., 277  
Wegmann, S., see Venturoni, F., 809  
Wendeborn, S., see Brodard, P., 645  
Wennemers, H., Schäfer, R. J. B., Aronoff, M.  
R., Recent Advances in Bioorthogonal Reactions, 308  
Wennemers, H., Herdlitschka, A., Lewandowski, B., Organic Molecular Weaves, 450  
Weston, A., see Kübler, E., 422  
Whitfield, R., see Anastasaki, A., 331  
Wiberg, G. K. H., see Broekmann, P., Arenz, M., 922  
Widmer, M., see Kübler, E., 422  
Williams, A. F., Editorial: International Year of the Periodic Table, 141  
Williams, A. F., Johnson, D. A., The Gestation and Growth of the Periodic Table, 144  
Wilts, B. D., see Dufresne, E. R., 47  
Wimmer, L., see Oufir, M., 206  
Wu, S.-J., see Boghossian, A. A., 283  
Wuitschik, G., Loureiro, H., Prem, M., Chemistry Pager: Now Expanded for even Greener Chemistry, 724  
Yelon, A., Braun, A., Chen, Q., Hole and Protonic Polarons in Perovskites, 936  
Yep, P., see Fromm, K. M., 12  
Yu, H., see Häner, R., 468  
Yulikov, M., see Ritsch, I., 262  
Zabela, V., see Oufir, M., 206  
Zakeeruddin, S. M., see Grätzel, M., 928  
Zambelli, T., Martinez, V., Han, H., Vörös, J., Highlights of Analytical Sciences in Switzerland: SU-8 Micropipettes for Gentle Single-cell Manipulation, 1033  
Zana, A., see Arenz, M., Broekmann, B., 707  
Zana, A., see Broekmann, P., Arenz, M., 922  
Zarn, J. A., Geiser, H. C., The Current Dietary Risk Assessment of Chemicals in Food Underestimates the Actual Risk, 832  
Zenobi, R., Niepel, T. S. G., Pandey, Y., Two-dimensional Polymers in Microscopy and Spatially Resolved Vibrational Analysis – A Review, 493  
Zenuni, A., see Rothen-Rutishauser, B., Schefold, F., 43  
Zhang, C., see Rothen-Rutishauser, B., Schefold, F., 43  
Zichittella, G., see Pérez-Ramírez, J., 288  
Zinn, M., see Brodard, P., 645  
Zinn, M., Hanik, N., Amstutz, V., FHHES Universities of Applied Sciences: Microplastics – from Anthropogenic to Natural, 841

## International Journal for Chemistry

and

### Official Membership Journal

of the Swiss Chemical Society (SCS)  
and its Divisions

### Divisions

Analytical Sciences	<a href="http://www.scg.ch/das">www.scg.ch/das</a>
Fundamental Research	<a href="http://www.scg.ch/dfr">www.scg.ch/dfr</a>
Industrial & Applied Chemistry	<a href="http://www.scg.ch/diac">www.scg.ch/diac</a>
Medicinal Chemistry & Chemical Biology	<a href="http://www.scg.ch/dmccb">www.scg.ch/dmccb</a>
Polymers, Colloids & Interfaces	<a href="http://www.scg.ch/dpci">www.scg.ch/dpci</a>
Chemical Education	<a href="http://www.scg.ch/dce">www.scg.ch/dce</a>

### Associated Society Members

GSASA	Swiss Soc. of Public Health and Hospital Pharmacists
SACC	Swiss Association of Computational Chemistry
SSFC	Swiss Society for Food Chemistry
SGMS	Swiss Group for Mass Spectrometry
VSN	Swiss Association of Science Teachers

### Editorial Board

O. Baudoin, Basel  
M. P. Brändle, Zürich  
C. E. Housecroft, Basel  
M. Koller, Köniz  
E. P. Kündig, Geneva  
R. Marti, Fribourg  
M. G. Schlageter, Basel  
J. Stohner, Wädenswil  
S. Sulzer-Mosse, Stein

### Advisory Board

F. Merkt, Zürich (former DFR)  
K.-H. Altmann, Zürich (DMCCB)  
W. Jucker, Sisseln (DIAC)  
G. Hopfgartner, Genève (DAS)  
A. Baiker, Zürich  
J. Bode, Zurich  
E. Felder, Basel  
K. Hungerbühler, Zürich  
H.-A. Klok, Genève  
C. Leumann, Bern  
F. Marechal, Lausanne  
V. R. Meyer, St. Gallen  
M. Missbach, Basel  
C. Nevado, Zurich  
T. Weller, Allschwil

### Editor-in-Chief

Prof. E. P. Kündig  
University of Geneva  
Department of Chemistry  
30 Quai Ernest Ansermet  
CH-1211 Geneva 4  
E-Mail: Peter.Kündig@unige.ch

### Chairperson

Dr. Gillian Harvey  
Johanna-Hodel-Gasse 5  
CH-6005 Luzern  
Tel.: +41 44 262 65 46  
E-Mail: chimia.tr@bluewin.ch

### Managing Editor

Dr. Manuel Koller  
Fuhrenstrasse 16  
CH-3098 Schlieren b. Köniz  
Tel.: +41 31 971 58 48  
Mobile: +41 79 596 71 02  
E-Mail: koller\_manuel@bluewin.ch

### Associate Editor

Prof. Catherine E. Housecroft  
Department of Chemistry  
University of Basel  
BPR 1096, Mattenstrasse 24a  
CH-4058 Basel  
E-Mail: catherine.housecroft@unibas.ch

### Technical Editor

Dr. Gillian Harvey  
CHIMIA Technische Redaktion  
Johanna-Hodel-Gasse 5  
CH-6005 Luzern  
Tel.: +41 44 262 65 46  
E-Mail: chimia.tr@bluewin.ch

### Design and Production, Printing and Mailing

FO-Zürisee  
Gewerbestrasse 18  
CH-8132 Egg bei Zürich  
Tel.: +41 44 928 53 53  
Fax: +41 44 928 53 54  
E-Mail: info@fo-zuerisee.ch, www.fo-zuerisee.ch

### Advertisements and CHIMIA-Report

Swiss Chemical Society  
David Spichiger, Head Office  
Haus der Akademien  
Laupenstrasse 7  
Postfach

CH-3001 Bern  
Tel.: +41 31 306 92 92  
E-Mail: info@scg.ch, www.scg.ch

### Copyright by

Swiss Chemical Society  
www.scg.ch

**Frequency:** Monthly

### Annual Personal Subscription 2019

Switzerland (P+E edition)	CHF 220.–
Foreign Countries (P+E edition)	CHF 270.–
For members of the SCS personal subscription to CHIMIA is included in the membership fee.	

### Annual Institutional Subscription 2019

World Wide (printed plus electronic edition)	CHF 520.–
World Wide (e-only edition)	CHF 480.–

### Single Issues

Switzerland (Mail charge incl.)	CHF 35.–
Foreign Countries (Mail charge incl.)	US\$ 35.–
Electronic Issue ( <i>via</i> Ingentaconnect.com)	US\$ 35.–

### Single Articles

Single electronic articles *via* Ingenta.com US\$ 15.–  
<http://www.ingentaconnect.com/>

### Member and Subscriber Services

Swiss Chemical Society  
Haus der Akademien  
Laupenstrasse 7, Postfach  
CH-3001 Bern  
Tel.: +41 31 310 40 90  
Fax: +41 31 310 40 29  
E-Mail: info@scg.ch  
www.scg.ch  
IBAN CH8400230230105561600

### Head Office of the Swiss Chemical Society

David Spichiger  
Swiss Chemical Society  
Haus der Akademien  
Laupenstrasse 7  
Postfach  
CH-3001 Bern  
Tel.: +41 31 306 92 91  
E-Mail: info@scg.ch  
www.scg.ch